

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application.

1. (Currently Amended) A positional information management system comprising:

a tag comprising a detachable sticker attached to an article and having a tag ~~for~~ integrated circuit (IC) storing a tag identification (ID);

a plurality of detectors, each detector

having a detector ID and being installed in a hotel,

~~for detecting the tag ID via transmittance~~ transmitted from the tag IC,

and

transmitting the tag ID detected and the detector ID being transmitted;

a recording means for device receiving from each detector and recording a pair ~~a pair~~ pairs of the tag ID detected and the detector ID of the detector detecting the tag ID,
and a recording time at which the respective detector has detected the tag ID; and

a positional information management means including the recording means, for
device managing positional information of the article, base based on the pair pairs of
tag ID and detector ID and the time times recorded.

2. (Currently Amended) The positional information management system according to Claim 1, wherein ~~said the~~ the positional information management ~~means~~ device records a relationship between the article and the tag ID and specifies the article based on the tag ID.

3. (Currently Amended) The positional information management system according to Claim ~~2~~ 13, wherein the tag comprises a detachable sticker.

4. (Currently Amended) The positional information management system according to Claim 1, wherein the positional information management ~~means~~ device specifies ~~a~~ position of the article based on the detector ID of the detector detecting the tag ID, and specifies the time ~~so as to obtain~~ produce a movement history of the article.

5. (Currently Amended) The positional information management system according to Claim 1, wherein
~~each of the detectors~~ each have has a respective specific ranges range in which ~~each of the detectors~~ detector detects the tag ID_i, and
~~wherein the positional management system detects a~~ movement state of the article, based on the specific ranges and the tag ID detected in the respective specific ranges.

Claims 6-9 (Cancelled).

10. (Currently Amended) The positional information management system according to Claim 1, wherein

a user related to the article ~~comprises~~ is one of a customer of the hotel and a staff member of the hotel,

the positional information management system further comprises a service management ~~means for~~ device managing services for ~~the~~ a customer, of the hotel,

the service management ~~means transmits~~ device transmits the tag ID of the article to the positional information management ~~means~~ device,

the positional information management ~~means~~ device specifies the detector ID ~~to transmit~~ for transmitting positional information of the detector, with the detector ID_i to the service management ~~means~~ device, and

the service management ~~means~~ device manages the services for the article based on the positional information.

11. (Currently Amended) The positional information management system according to Claim 1, wherein the positional information management ~~means~~ device determines an area defined by at least one of the detector ~~ID~~ IDs and determines whether ~~or not~~ the article is in the area based on the detector ~~ID~~ IDs.

12. (Currently Amended) The positional information management system according to Claim 11, wherein the positional information management system defines the area as a restricted area and manages security by generating an alarm or by setting a flag in the recording ~~means~~ device when the article is in the restricted area.

13. (New) A positional information management system comprising:
a tag attached to an article and having a tag integrated circuit (IC) storing a tag identification (ID);

a plurality of detectors, each detector

having a detector ID and being installed in a hotel,
detecting the tag ID transmitted from the tag IC, and
transmitting the tag ID detected and the detector ID;

a recording device receiving from each detector and recording pairs of the tag ID detected and the detector ID of the detector detecting the tag ID, and time at which the respective detector has detected the tag ID;

a positional information management device managing positional information of the article, based on the pairs of tag ID and detector ID and the times recorded and recording a relationship between the article and the tag ID, specifying the article based on the tag ID, wherein the positional information management device refers to the detector ID, based upon the tag ID detected, to specify position of the article; and

a terminal communicating with the positional information management device, wherein the information management device includes a search device searching for the position of the article based upon the tag ID input to the terminal.

14. (New) The positional information management system according to Claim 13, wherein the positional information management device specifies position of the article based on the detector ID of the detector detecting the tag ID, and specifies the time to produce a movement history of the article.

15. (New) The positional information management system according to Claim 1, wherein

each of the detectors has a respective specific range in which the detector detects the tag ID, and

the positional management system detects movement state of the article based on the specific ranges and the tag ID detected in the respective specific ranges.

16. (New) The positional information management system according to Claim 13, wherein

a user related to the article is one of a customer of the hotel and a staff member of the hotel,

the positional information management system further comprises a service management device for managing services for a customer of the hotel,

the service management device transmits the tag ID of the article to the positional information management device,

the positional information management device specifies the detector ID for transmitting positional information of the detector, with the detector ID, to the service management device, and

the service management device manages the services for the article based on the positional information.

17. (New) The positional information management system according to Claim 13, wherein the positional information management system defines the area as a restricted area and manages security by generating an alarm or by setting a flag in the recording device when the article is in the restricted area.

18. (New) A positional information management system comprising:
a tag attached to an article and having a tag integrated circuit (IC) storing a tag identification (ID);

a plurality of detectors, each detector

having a detector ID and being installed in a hotel,
detecting the tag ID transmitted from the tag IC, and
transmitting the tag ID detected and the detector ID;

a recording device receiving from each detector and recording pairs of the tag ID detected and the detector ID of the detector detecting the tag ID, and recording time at which the respective detector has detected the tag ID;

a positional information management device managing positional information of the article, based on the pairs of tag ID and detector ID and the times recorded, and recording relationship between a name of a user of the system who is related to the article and the tag ID of the tag, specifying the article based on the name, wherein the positional information management device refers to the tag ID of the article, based on the name of the user; and

a terminal communicating with the positional information management device, wherein the information management device includes a search device searching for the position of the article based the name of the user input to the terminal.

19. (New) The positional information management system according to Claim 18, wherein the tag comprises a detachable sticker.

20. (New) The positional information management system according to Claim 18, wherein the positional information management device specifies position of the article based on the detector ID of the detector detecting the tag ID, and specifies the time to produce a movement history of the article.

21. (New) The positional information management system according to Claim 18, wherein

each of the detectors has a respective specific range in which the detector detects the tag ID, and

the positional management system detects movement state of the article based on the specific ranges and the tag ID detected in the respective specific ranges.

22. (New) The positional information management system according to Claim 18, wherein

a user related to the article is one of a customer of the hotel and a staff member of the hotel,

the positional information management system further comprises a service management device managing services for a customer of the hotel,

the service management device transmits the tag ID of the article to the positional information management device,

the positional information management device specifies the detector ID for transmitting positional information of the detector, with the detector ID, to the service management device, and

the service management device manages the services for the article based on the positional information.

23. (New) The positional information management system according to Claim 18, wherein the positional information management device determines an area defined

by at least one of the detector IDs and determines whether the article is in the area based on the detector IDs.

24. (New) The positional information management system according to Claim 23, wherein the positional information management system defines the area as a restricted area and manages security by generating an alarm or by setting a flag in the recording device when the article is in the restricted area.